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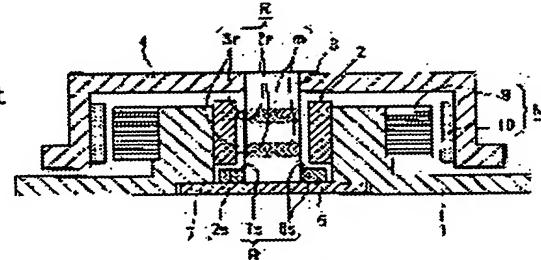
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(54) SPINDLE MOTOR WITH LIQUID BEARING

(57)Abstract:

PROBLEM TO BE SOLVED: To provide a spindle motor with liquid bearing in which static electricity is hard to be charged in a carried disc, power consumption is low, and reliability for prolonged operation is high.

SOLUTION: As a lubricating liquid for the spindle motor with liquid bearing comprising of a shaft 3 and a sleeve 2 relatively rotatable against the shaft through a radial liquid bearing R and a thrust liquid bearing S, such lubricating oil has been used to which at least 0.1 to 10 percent weight of antistat and 0.1 to 5 percent weight of oxidation inhibitor have been added. By controlling the amount of such additives as to give electroconductivity to the lubricating liquid and to prevent oxidization of the same, an increase of viscosity and a restraint of evaporation loss can be achieved with properties of electroconductivity and oxidation resistance being granted.



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